

Converting Colors

CIELCh(28, 36.553, 112.787)

Have a look what the booklet for
CIELCh(28, 36.553, 112.787)
contains.

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Color

CIELCh(28, 36.742, 112.997)

Conversions

Conversions Part 1

Format	Color
Hex	3B4706
RGB	59, 71, 6
RGB Percent	23%, 28%, 2%
CMY	0.7684, 0.7214, 0.9763
CMYK	0.17, 0.00, 0.91, 0.72
HSL	71°, 84%, 15%
HSV	71°, 91%, 28%
XYZ	4.0962, 5.4574, 1.0113
YIQ	60.0020, 13.7130, -22.7590

Conversions

Conversions Part 2

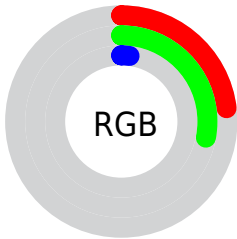
Format	Color
RYB	6, 71, 18
Decimal	3884806
CIELab	28.00, -14.35, 33.82
CIElCh	28, 36.742, 112.997
Yxy	5.4574, 0.3877, 0.5166
Android (android.graphics.Color)	4282074886 (0xFF3B4706)
YUV	60.0020, -26.6230, -0.8788
Hunter-Lab	23.3610, -9.5832, 13.7862

Details

The CIELCh color **28, 36.742, 112.997** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **6, 46.389, 306.060**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 36.346, 112.626**, and **8, 17.795, 139.320** is the 20% darker color. If you saturate the color by 10%, you get **28, 39.212, 112.853**, and if you desaturate by 10%, it is **28, 33.991, 113.082**.

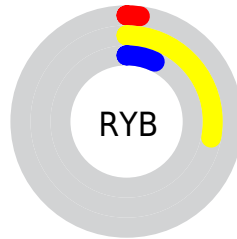
Distribution



 Red (23%)

 Green (28%)

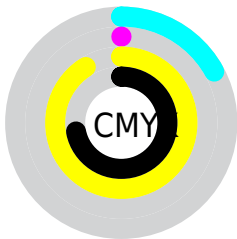
 Blue (2%)



 Red (2%)

 Yellow (28%)

 Blue (7%)

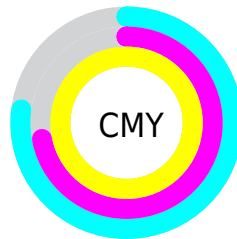


 Cyan (17%)

 Magenta (0%)

 Yellow (91%)

 Black (72%)



 Cyan (77%)


 Magenta (72%)


 Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 28, 36.742, 112.997 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 28, 36.742, 112.997 by changing the saturation by 10% instead.

 28, 36.742,
112.997


 28, 36.742,
112.997

 100, 36.742,
112.997


 18, 36.742,
112.997


 48, 36.742,
112.997


 8, 36.742, 112.997

 58, 36.742,
112.997

 0, 36.742, 112.997

 68, 36.742,
112.997

 78, 36.742,
112.997

 88, 36.742,
112.997

 98, 36.742,

112.997

■ 28, 36.742,
112.997

■ 28, 36.742,
112.997

■ 28, 39.212,
112.853

■ 28, 33.991,
113.082

■ 28, 30.757,
113.320

■ 29, 27.041,
113.722

■ 29, 22.992,
114.233

■ 29, 18.720,
114.813

■ 29, 14.305,
115.429

■ 29, 9.803, 116.061

■ 30, 5.250, 116.692

■ 30, 0.673, 117.314

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



28, 36.742, 112.997



6, 46.389, 306.060

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



28, 36.742, 112.997



28, 36.742, 162.997



28, 36.742, 292.997



28, 36.742, 342.997

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



28, 36.742, 112.999



38, 15.202, 115.645



14, 31.387, 38.241



18, 10.088, 115.563



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28, 36.742, 112.999



36, 46.855, 113.165



26, 41.987, 131.771



14, 2.559, 116.872



39, 49.565, 113.265



85, 90.796, 113.992

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



6, 46.389, 306.060



8, 62.156, 307.621



11, 44.162, 317.729



13, 2.604, 297.954



9, 65.799, 307.543



29, 121.062, 307.051

Previews

White Background



This preview shows how the CIELCh color 28, 36.742, 112.997 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 28, 36.742, 112.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

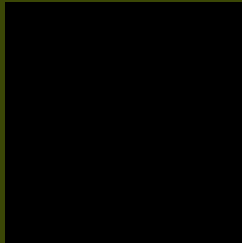
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 28, 36.742, 112.997

Background



This preview shows how black text looks on a background with the CIELCh color 28, 36.742, 112.997.



This preview shows how white text looks on a background with the CIELCh color 28, 36.742, 112.997.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

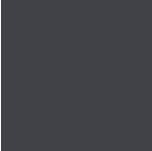
Dichromacy



Original Color
28, 36.742, 112.997

Protanopia
28, 35.689, 95.326

Deuteranopia
28, 31.659, 84.176



Tritanopia
28, 3.260, 283.217

Trichromacy



Original Color
28, 36.742, 112.997

Protanomaly
28, 35.721, 102.324

Deuteranomaly
28, 32.441, 96.157

Tritanomaly
28, 13.628, 117.704

Monochromacy



Original Color
28, 36.742, 112.997

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 15.535, 114.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 36.742, 112.997 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(59, 71, 6)` looks like.

```
.text, #text, p{  
    color:rgb(59, 71, 6)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(59, 71, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 71, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 36.742, 112.997 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(59, 71, 6) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(59, 71, 6) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(59, 71, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 71, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(59, 71, 6); box-shadow:4px  
4px 4px 4px rgb(59, 71, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 28, 36.742, 112.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 71, 6) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(59, 71,  
6) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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